

**Application No. 10/045,184**

In the Claims:

Claims 11, 12, 13, 14, 15, 16, are amended. Pending claims 1-16 follow.

1. (Original) A two-component dental bleaching system wherein the components are adapted to be admixed and applied to the teeth from a dental tray for sustained contact, said system comprising:

as a first component, a dental peroxide gel comprising both carbamide peroxide and hydrogen peroxide; and

as a second component, an orally compatible activator gel wherein said activator gel includes a base to increase its pH.

2. (Original) The dental bleaching system according to claim 1, wherein the first component includes hydroxypropyl cellulose.

3. (Original) The dental bleaching system according to claim 1, wherein the first component comprises carbamide peroxide at a weight percentage of at least about 10%, based on the total weight of said first component.

4. (Original) The dental bleaching system according to claim 1, wherein the first component comprises hydrogen peroxide at a weight percentage of at least about 0.5%, based on the total weight of the first component.

5. (Original) The dental bleaching system according to claim 1, wherein the first component comprises hydrogen peroxide at a weight percentage of at least about 5%, based on the total weight of the first component.

6. (Original) The dental bleaching system according to claim 1, wherein the first component comprises carbamide peroxide at a weight percentage of at least about

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16% and hydrogen peroxide at a weight percentage of at least about 1.5%, based on the total weight of the first component.

7. (Original) The dental bleaching system according to claim 1, wherein the first component comprises carbamide peroxide at a weight percentage from about 10% to about 25% and hydrogen peroxide at a weight percentage from about 0.5% to about 10%, based on the total weight of the first component.

8. (Original) The dental bleaching system according to claim 1, wherein the first component comprises carbamide peroxide at about 16% by weight and hydrogen peroxide at about 1.3% by weight, based on the total weight of the first component.

9. (Original) The dental bleaching system according to claim 1, wherein the first component comprises carbamide peroxide at about 16% by weight and hydrogen peroxide at about 6% by weight, based on the total weight of the composition.

10. (Original) The dental bleaching system according to claim 1, wherein the first component comprises carbamide peroxide at a weight percentage of about 16% and hydrogen peroxide at a weight percentage of about 10%, based on the total weight of the composition.

11. (Currently Amended) The dental bleaching system according to claim 1, wherein the activator gel additionally comprises sodium fluoride and potassium nitrate.

12. (Currently Amended) The dental bleaching system according to claim 1, wherein the activator gel additionally comprises potassium nitrate and tetrapotassium pyrophosphate.

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13. (Currently Amended) The dental bleaching system according to claim 1 wherein the activator gel comprises:

Propylene Glycol	33.000%
<del>Klucel GF</del> <u>hydroxypropyl cullulose</u>	1.980%
Propylene Glycol USP	16.970%
Glycerin, USP	38.100%
Peppermint <del>PE-07274</del> <u>Flavor</u>	0.200%
Natural Peppermint	0.400%
Oil <del>PE-05523</del>	
DI Water	0.500%
Potassium Hydroxide	0.300%
Sodium Fluoride	0.350%
<del>Cab-O-Sil EH-5</del> <u>Fumed Silica</u>	8.200%

14. (Currently Amended) The dental bleaching system according to claim 1 wherein the activator gel comprises:

Propylene Glycol/	33.000%
<del>Klucel GF premix</del> <u>Hydroxypropyl Cellulose</u>	1.980%
Propylene Glycol- <del>USP</del>	12.576%
Glycerin, <del>USP</del>	40.000%
Peppermint <del>PE-07274</del> <u>Flavor</u>	0.200%
Natural Peppermint	0.400%
Oil <del>PE-05523</del>	
<del>Cab-O-Sil EH-5</del> <u>Fumed Silica</u>	11.000%
Potassium Hydroxide	0.300%
DI Water	0.544%

15. (Currently Amended) The dental bleaching system according to claim 1 wherein the activator gel comprises:

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Propylene Glycol/	33.000%
<del>Klucel GF premix</del> <u>Hydroxypropyl Cellulose</u>	1.980%
Propylene Glycol- <del>USP</del>	7.767%
Glycerin, <del>USP</del>	32.753%
<del>Artificial</del> Cherry <del>Flavor</del> <del>CH-05506</del>	0.600%
<del>Cab-O-Sil EH-5</del> <u>Fumed Silica</u>	5.600%
Potassium Nitrate- <del>FCC</del>	5.400%
Potassium Hydroxide	0.300%
DI Water	12.600%

16. (Currently Amended) The dental bleaching system according to claim 1 wherein the activator gel comprises:

Propylene Glycol/	33.000%
<del>Klucel GF premix</del> <u>Hydroxypropyl Cellulose</u>	1.980%
Propylene Glycol- <del>USP</del>	7.767%
Glycerin, <del>USP</del>	32.753%
Peppermint- <del>PE-07274</del>	0.200%
Natural Peppermint	0.400%
Oil <del>PE-05523</del>	
<del>Cab-O-Sil EH-5</del> <u>Fumed Silica</u>	5.600%
Potassium Nitrate- <del>FCC</del>	5.400%
Potassium Hydroxide	0.300%
DI Water	12.600%